



# ATLANTIC SYNTHECH TURBO SAE 15W-40 CJ-4/E9

(Maximum Engine Performance - Low SAPS technology)

## DESCRIPTION

ATLANTIC SYNTHECH TURBO SAE 15W-40 CJ-4/E9 is a technologically advanced heavy-duty diesel engine oil for low emission engines operating on high temperature using low Sulphur fuel and fitted with exhaust after treatment devices such as Three-Way Catalyst (TWC), Diesel particulate filters (DPF), Selective Catalyst Reduction (SCR), Diesel Particulates & Nitrous-oxide Reduction(DPNR), Exhaust Gas Recirculation(EGR). Product is developed to comply low emission norms EURO I,II,III, IV & V and extended drain intervals. It is available in SAE 15W-40 viscosity grade to control engine piston deposits.

## APPLICATIONS

- Heavy duty Diesel Vehicles fitted with state-of-the art exhaust after treatment system such as particulate filters, EGR and catalytic converters to meet low emission requirements EURO IV & V
- Compatible with other engine oils but recommended not to mix in order to enhance the life of exhaust after treatment devices.
- Long Drain capability
- Excellent soot dispersancy, piston deposits and oxidation control

## PROPERTIES

ATLANTIC SYNTHECH TURBO SAE 15W-40 CJ-4/E9 contains excellent viscosity stability in service, guaranteeing efficient engine lubrication in severe conditions.

Exceptional detergent, dispersant and anti-wear additives keep the engine's most sensitive parts clean and enable effective control of soot, sludge and piston deposits.

The "low-SAPS" formulation of ATLANTIC SYNTHECH TURBO SAE 15W-40 CJ-4/E9 improves the post-treatment system durability, preventing the clogging of the diesel particulate filter.

## PERFORMANCE FEATURES AND BENEFITS

- Protects and enhance Exhaust After treatment Devices such as Three Way Catalyst (TWC), Diesel particulate filters (DPF), Selective Catalyst Reduction (SCR), Diesel Particulates & Nitrous-oxide Reduction(DPNR), Exhaust Gas Recirculation(EGR) thus suitable for low emission engines
- Increase the catalyst life because of low phosphorous level.
- Superior resistance to oil thickening/sludge formation, outstanding deposit control and improve engine life
- Outstanding fuel economy and increase oil drain interval and reduce oil top-up
- Excellent protection against wear
- Excellent low temperature easy starting, so termed as all-weather oil

## RECOMMENDATIONS / SPECIFICATIONS

International Approvals: API CJ-4, CI-4, CH-4/SN, ACEA E9/E7

OEM Approvals: Volvo VDS-4

Meets or exceeds:

- |                          |                           |              |
|--------------------------|---------------------------|--------------|
| • MTU Type 2.1           | • Renault Trucks RDL-3    | • CAT ECF -3 |
| • MAN 3575               | • CUMMINS CES 20081/76/77 |              |
| • Mack EO-O Premium Plus | • MB - Approval 228.31    |              |
| • DEUTZ DQC-III-10 LA    | • DDE 93K218              |              |

Meets quality requirements of latest US, European and Japanese heavy-duty diesel engines including severe applications such as high loads and multi-trailer operations.

## TYPICAL TECHNICAL PROPERTIES

Viscosity Grade, SAE J300	15W-40
Product Code	INF3494/74
Density at 15°C, g/ml, ASTM D4052	0.874
Cold Cranking Viscosity(CCS), mPa s, ASTM D5293	6400@-20°C
Kinematic Viscosity at 40°C, mm <sup>2</sup> /s, ASTM D445	93.1
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s, ASTM D445	13.6
Viscosity Index, ASTM D2270	147
Flash Point(COC), °C, ASTM D92	225
Pour Point, °C, ASTM D97	-36
Sulphated Ash, %wt, DIN 51575	1.0
Total Base Number (TBN)	9.9

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.

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\* supersedes all previous versions

*Health and Safety: Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contact office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing off used product, take care to protect the environment.*